

ABSTRACT OF THE DISCLOSURE

A data recording and reproduction apparatus is provided with a stream attribute decision means 101 for deciding whether an audio data stream supplied from the outside is compressed or not. A compression ID flag F_{co} having a value according to the result of the decision is attached to the audio data stream, and the flag-attached audio data stream is written in a stream storage unit 100b. Therefore, a watermark can be inserted in a compressed audio data stream after reading the compressed audio data stream from the stream storage unit 100b, whereby the time required for writing the compressed audio data stream in the stream storage unit 100b is reduced, and the quality of analog audio data obtained by reproducing the compressed audio data stream is prevented from being degraded.